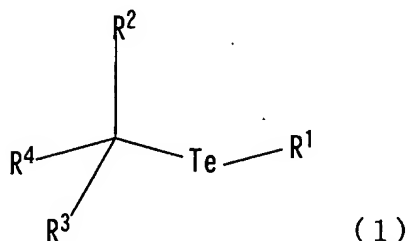


Amendments to the Claims

1. (Currently amended) A process for producing a living radical polymer ~~characterized in that which comprises polymerizing a vinyl monomer is polymerized with use~~ in the presence of an organotellurium compound represented by the formula (1), an azo type polymerization initiator and a ditelluride compound represented by the formula (2)

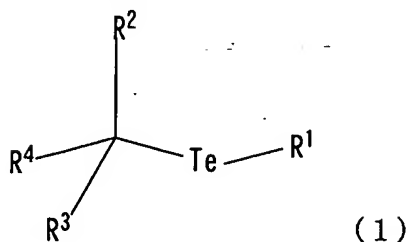


wherein R¹ is C₁-C₈ alkyl, aryl, substituted aryl or an aromatic heterocyclic group, R² and R³ are each a hydrogen atom or C₁-C₈ alkyl, and R⁴ is aryl, substituted aryl, an aromatic heterocyclic group, acyl, oxycarbonyl or ~~cyano~~ cyano.



wherein R¹ is the same as above.

2. (Currently amended) A living radical polymer ~~obtainable~~ produced by polymerizing a vinyl monomer ~~with use~~ in the presence of an organotellurium compound represented by the formula (1), an azo type polymerization initiator and a ditelluride compound represented by the formula (2)

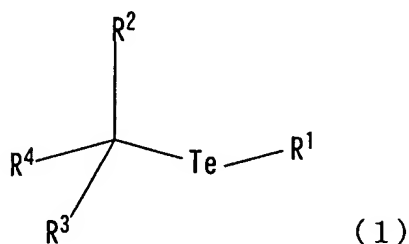


wherein R¹ is C₁-C₈ alkyl, aryl, substituted aryl or an aromatic heterocyclic group, R² and R³ are each a hydrogen atom or C₁-C₈ alkyl, and R⁴ is aryl, substituted aryl, an aromatic heterocyclic group, acyl, oxycarbonyl or cyano.



wherein R¹ is the same as above.

3. (Currently amended) A mixture of an organotellurium compound represented by the formula (1), an azo type polymerization initiator and a ditelluride compound represented by the formula (2)



wherein R¹ is C₁-C₈ alkyl, aryl, substituted aryl or an aromatic heterocyclic group, R² and R³ are each a hydrogen atom or C₁-C₈ alkyl, and R⁴ is aryl, substituted aryl, an aromatic heterocyclic group, acyl, oxycarbonyl or cyano.



wherein R¹ is the same as above.